

**HEWLETT-PACKARD COMPANY**

Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

**PATENT APPLICATION**

**ATTORNEY DOCKET NO. 10003407-1**

**IN THE U.S. PATENT AND TRADEMARK OFFICE**  
**Patent Application Transmittal Letter**

**COMMISSIONER FOR PATENTS**  
Washington, D.C. 20231

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): ☒ Utility ☐ Design

☒ original patent application,

☐ continuation-in-part application

**INVENTOR(S): Ming C. Hao, Umeshwar Dayal, Meichun Hsu, Markus Gross Thomas Sprenger**

**TITLE: METHOD AND SYSTEM FOR WEB-BASED VISUALIZATION OF DIRECTED ASSOCIATION AND FREQUENT ITEM SETS IN LARGE VOLUMES OF TRANSACTION DATA**

Enclosed are:

- ☒ The Declaration and Power of Attorney. ☐ signed ☒ unsigned or partially signed  
☒ 6 sheets of drawings (one set) ☒ Associate Power of Attorney  
☐ Form PTO-1449 ☒ Information Disclosure Statement and Form PTO-1449  
☐ Priority document(s) ☐ (Other) \_\_\_\_\_ (fee \$ \_\_\_\_\_)

CLAIMS AS FILED BY OTHER THAN A SMALL ENTITY				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTALS
TOTAL CLAIMS	20 — 20	0	X \$18	\$ 0
INDEPENDENT CLAIMS	2 — 3	0	X \$80	\$ 0
ANY MULTIPLE DEPENDENT CLAIMS	0		\$270	\$ 0
BASIC FEE: Design (\$320.00 ); Utility (\$710.00 )				\$ 710
TOTAL FILING FEE				\$ 710
OTHER FEES				\$
TOTAL CHARGES TO DEPOSIT ACCOUNT				\$ 710

Charge \$ 710 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

"Express Mail" label no. EE094733546US

Date of Deposit May 2, 2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By Eric H

Typed Name: ERIC HO

Respectfully submitted,

**Ming C. Hao, Umeshwar Dayal,**

By Eric H

**ERIC HO**

Attorney/Agent for Applicant(s)

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Date: **May 2, 2001**

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